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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/708,345	02/25/2004	JIALIN YANG	81091784 (203-0946)	2344
7:	590 12/14/2005		EXAMINER	
Artz & Artz, P.C.			HUYNH, HAI H	
28333 Telegrap	h Road, Suite 250			
Southfield, MI 48034			ART UNIT	PAPER NUMBER
			3747	

DATE MAILED: 12/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		\mathcal{N}^0	
	Application No.	Applicant(s)	
	10/708,345	YANG ET AL.	
Office Action Summary	Examiner	Art Unit	_
	Hai H. Huynh	3747	
The MAILING DATE of this communication appeared for Reply	pears on the cover sheet w	ith the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.7 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNION (136(a)). In no event, however, may a will apply and will expire SIX (6) MON (6), cause the application to become Alexandre (130).	CATION. reply be timely filed ITHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).	
Status	•		
1) Responsive to communication(s) filed on <u>07 C</u>	October 2005.		
2a) This action is FINAL . 2b) ☐ This	s action is non-final.		
3) Since this application is in condition for allowa	•	•	
closed in accordance with the practice under the	Ex parte Quayle, 1935 C.D	0. 11, 453 O.G. 213.	
Disposition of Claims			
4)⊠ Claim(s) <u>1-28</u> is/are pending in the application			
4a) Of the above claim(s) <u>7-28</u> is/are withdraw	n from consideration.		
5) Claim(s) is/are allowed. 6) Claim(s) <u>1-6</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/o	or election requirement.		
Application Papers			
9)☐ The specification is objected to by the Examine	er		
10) The drawing(s) filed on is/are: a) acc		by the Examiner.	
Applicant may not request that any objection to the	•		
Replacement drawing sheet(s) including the correct	ction is required if the drawing	(s) is objected to. See 37 CFR 1.121(d).	
11) The oath or declaration is objected to by the E	xaminer. Note the attached	d Office Action or form PTO-152.	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C. 8	\$ 119(a)-(d) or (f)	
a) ☐ All b) ☐ Some * c) ☐ None of:	, priority arraor of overer		
1. Certified copies of the priority document	ts have been received.	•	
2. Certified copies of the priority document	ts have been received in A	pplication No	
3. Copies of the certified copies of the prior	ority documents have been	received in this National Stage	
application from the International Burea	, , , , , , , , , , , , , , , , , , , ,		
* See the attached detailed Office action for a list	t of the certified copies not	received.	
	•		
Attachment(s)	•		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)		Summary (PTO-413) s)/Mail Date	
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)) 5) 🔲 Notice of I	nformal Patent Application (PTO-152)	
Paper No(s)/Mail Date <u>2-25-04 & 3-1-04</u> .	6) Other:	<u>_</u> .	

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DETAILED ACTION

1. Applicant's election without traverse of Group I, claims 1-6 in the reply filed on October 7, 2005 is acknowledged.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Yang (2003/0131805).

Yang teaches at least one cylinder including at least one intake valve and at least one exhaust valve; and at least one cam operatively connected to said intake and exhaust valves, wherein in SI mode, said cam operating said intake valve such that an intake cam movement event length is approximately 280 to 320 cad (see [0023]-[0030]).

3. Claims 1-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Unger et al (6,752,123).

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Unger et al teach a changeover process from the SI operation to the HCCI with a variable valve timing device for controlling the opening and closing of the intake and exhaust valves (see col. 6 lines 17-60).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hai H. Huynh whose telephone number is (571) 272-4844. The examiner can normally be reached on Monday through Thursday from 7:30 am to 6:00 pm.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hai H. Huynh Primary Examiner Art Unit 3747